

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Original): A seed comprising at least one set of the chromosomes of maize inbred line PH3RC, representative seed of said line having been deposited under ATCC Accession No. PTA-4672.

Claim 2 (Currently amended): A maize plant produced by growing the ~~F1 hybrid maize~~ seed of claim 1.

Claim 3 (Original): A maize plant part of the maize plant of claim 2.

Claim 4 (Original): An F1 hybrid maize seed produced by crossing a plant of maize inbred line designated PH3RC, representative seed of said line having been deposited under ATCC Accession No. PTA-4672, with a different maize plant and harvesting the resultant F1 hybrid maize seed, wherein said F1 hybrid maize seed comprises two sets of chromosomes and one set of the chromosomes is the same as maize inbred line PH3RC.

Claim 5 (Original): A maize plant produced by growing the F1 hybrid maize seed of claim 4.

Claim 6 (Original): A maize plant part of the maize plant of claim 5.

Claim 7 (Original): An F1 hybrid maize seed comprising an inbred corn plant cell of inbred maize line PH3RC, representative seed of said line having been deposited under ATCC Accession No. PTA-4672.

Claim 8 (Original): A maize plant produced by growing the F1 hybrid maize seed of claim 7.

Claim 9 (Original): The F1 hybrid maize seed of claim 7 wherein the inbred corn plant cell comprises two sets of chromosomes of maize inbred line PH3RC.

Claim 10 (Original): A maize plant produced by growing the F1 hybrid maize seed of claim 9.

Claim 11 (New): A process of introducing a desired trait into maize inbred line PH3RC comprising:

- (a) crossing PH3RC plants grown from PH3RC seed, representative seed of which has been deposited under ATCC Accession No: PTA-4672, with plants of another maize line that comprise a desired trait to produce F1 progeny plants, wherein the desired trait is selected from the group consisting of waxy starch, male sterility, herbicide resistance, insect resistance, bacterial disease resistance, fungal disease resistance, and viral disease resistance;
- (b) selecting F1 progeny plants that have the desired trait to produce selected F1 progeny plants;
- (c) crossing the selected progeny plants with the PH3RC plants to produce backcross progeny plants;
- (d) selecting for backcross progeny plants that have the desired trait and the alleles of inbred line PH3RC at the SSR loci listed in Table 4 to produce selected backcross progeny plants; and
- (e) repeating steps (c) and (d) to produce backcross progeny plants that comprise the desired trait and comprise at least 95% of the alleles of inbred line PH3RC at the SSR loci listed in Table 4.

Claim 12 (New): A plant produced by the process of claim 11, wherein the plant comprises at least 95% of the alleles of inbred line PH3RC at the SSR loci listed in Table 4.